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#### PROCEEDINGS

#### OF THE

## Hawaiian Entomological Society

Editor Emeritus, O. H. Swezey

Vol. XII. No. 1

For the Year 1943

August, 1944

This issue of the Proceedings is the first ever to appear without Mr. O. H. Swezey as its editor. After nearly forty years, at his own request, Mr. Swezey has relinquished the direction of this periodical in order to devote himself more fully to his studies of the native Hawaiian insect fauna. Under his editorship the Proceedings attained a position unique among journals of its kind, and constitutes an enduring monument to Mr. Swezey's long devotion to Hawaiian entomology. The amount of work he devoted to the production of the Proceedings cannot be fully appreciated by most of us. We know, however, that he has given to it the same fresh interest and zest which all phases of entomology claim from him. For the Society we wish to express our appreciation of his long and efficient service as editor, and the hope that as Editor Emeritus, he will continue for many years to counsel his successors on the editorial committee.

#### JANUARY 11, 1943

The 445th meeting was held at the H.S.P.A. Experiment Station on Monday, January 11, at 2:00 p.m., with President Holdaway in the chair.

Members present: Messrs. Faxon, Fullaway, Holdaway, Krauss, Look, Marlowe, McBride, Nishida, Pemberton, Rosa, Sakimura, Stains, Swezey, Van Zwaluwenburg, Williams and Zimmerman.

Visitor: Lt. R. L. Doutt, U.S.N.

#### NOTES AND EXHIBITIONS

Records from Kauai—Mr. Krauss presented the following data on material collected on Kauai: Stenotrupis marshalli Zimmerman; one specimen of this small weevil was taken at Lihue on October 18, 1942. Hitherto it has been recorded only from the island of Oahu and from Samoa. The specimen was identified by Mr. Zimmerman. Latrodectus geometricus Koch; found fairly abundant in

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22. Krauss, N. H. First record of *Hercothrips fasciatus* (Pergande). Proc. Haw. Ent. Soc. 12(1):14, 1944.

23. Look, Wm. C. and McAfee, Ethel Lucas. Some first records of aphids in Hawaii. Proc. Haw. Ent. Soc. 12(1): 95-98, 1944.

24. Look, Wm. C. and McAfee, Ethel Lucas. New host records of aphids in Hawaii. Proc. Haw. Ent. Soc. 12(1): 99-112, 1944.

25. Nishida, T. First record of Frankliniella sp. in Hawaii. Proc. Haw. Ent. Soc. 11(3): 273. 1943.

26. Sakimura, K. First record of Thrips nigropilosus Uzel in Hawaii. Proc. Haw. Ent. Soc. 9(3): 422. 1937.

27. Sakimura, K. and Krauss, N. L. H. Thrips from Maui and Molokai. Proc. Haw. Ent. Soc. 12(1):113-122, 1944.

28. Swezey, O. H. First record of Maruca testulalis (Geyer) in Hawaii.
Proc. Haw. Ent. Soc. 5(3): 341. 1924.

29. Swezey, O. H. First record of Cyrtopeltis varians (Distant) in Hawaii.
Proc. Haw. Ent. Soc. 6(1):18. 1925.

30. Swezey, O. H. First record of Listroderes obliquus Klug in Hawaii.
Proc. Haw. Ent. Soc. 6(3): 360. 1927.

31. Swezey, O. H. First record of Keiferia lycopersicella (Busck) in Hawaii. Proc. Haw. Ent. Soc. 7(1): 177, 1928.

32. Van Dine, D. L. Report of the Entomologist in Ann. Rept. of the Haw. Agric, Exp. Sta., 1904: 372-379. 1905.

Agric. Exp. Sta., 1904: 372-379. 1903.

33. Van Dine, D. L. Report of the Entomologist in Report on Agric. Investigations in Hawaii for 1905: 18-32. 1906.

34. Van Dine, D. L. Report of the Entomologist in Ann. Rept. of the Haw. Agric. Exp. Sta. for 1906: 18-32. 1907.

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35. Van Dine, D. L. Report of the Entomologist in Ann. Rept. of the Haw. Agric. Exp. Sta. for 1907: 25-51. 1908.

Agric. Exp. Sta. 107 1907: 23-31. 1906.

Van Dine, D. L. Report of the Entomologist in Ann. Rept. of the Haw. Agric. Exp. Sta. for 1908: 17-41. 1909.

 Zimmerman, E. C. First record of Aphis ferruginea-striata Essig in Hawaii. Proc. Haw. Ent. Soc. 12(1): 17, 1944.

# Notes on Insects and Other Arthropods from the Islands of Molokai and Maui, Hawaii

BY N. L. H. KRAUSS

Board of Agriculture and Forestry

(Presented at the meeting of December 13, 1943)

The insects and other arthropods listed in this paper were collected on Molokai during the periods May 29 to June 5 and October 8 to 13, and on Maui June 5 to 13, 1943. The Thysanoptera have been reported on in another paper. My thanks are extended to the following persons who have kindly identified most of the specimens: D. T. Fullaway (parasitic Hymenoptera), O. H. Swezey (Coleoptera, some of the Diptera, Cicadellidae, Delphacidae, Cixiidae), F. X. Williams (Hymenoptera, most of the Diptera), E. C. Zimmerman (weevils, Hemiptera), E. O. Essig (Aphididae), H. Morrison (Coccidae), L. M. Russell (Aleyrodidae), R. V. Chamberlin (Araneida) and H. E. Ewing and E. A. McGregor (Acarina). Species apparently here recorded for the first time from Molokai or Maui are marked with an asterisk.

#### ARANEIDA

\*Latrodectus geometricus Koch, south central Molokai, May 31.
\*Latrodectus mactans hesperus Chamberlin and Ivie, south central Molokai, May 31.

#### ACARINA

Anystis sp., probably A. agilis Bks., near edge of Waikolu Valley, Molokai, June 3, ex Metrosideros sp.; Wailuku, Maui, June 13, ex leaves of hibiscus.

Tetranychus sp., south central Molokai, May 31, ex leaves Datura stramonium L.

Tetranychus sp., nearest bimaculatus Harv., Kawela, Molokai, June 2, ex tomato leaves.

## ORTHOPTERA

Tettigoniidae

Elimaea punctifera (Walk.), 1, eastern Molokai, May 30.

<sup>1</sup> See p. 113.

Proc. Haw. Ent. Soc., Vol. XII, No. 1, August, 1944.

#### Sarcophagidae

\*Helicobia helicis (Towns.), 2, Kawela, Molokai, June 2.

#### Calliphoridae

\*Chrysomyia rufifascies (Macq.), 1, Nahiku, Maui, June 10.

#### Anthomyiidae

Lispa metatarsalis Thom., 1, near edge of Waikolu Valley, Molokai. June 3.

Lispocephala sp., 1, near edge of Waikolu Valley, Molokai, June 3. Lispocephala sp., 1, near edge of Waikolu Valley, Molokai, Oct. 10. \*Ophyra chalcogaster Wied., 1, Hana, Maui, June 9.

#### Borboridae

Leptocera ferruginata Stenh.?. 5. Kaunakakai, Molokai, May 29. Leptocera sp., 4. Olinda, Maui, June 12.

#### Sciomyzidae

Sciomyza hawaiiensis Grims., 1, Halawa Valley, \*Molokai, June 4; 1, Wailuku, Maui, June 6; 1, Iao Valley, Maui, June 6.

#### Ortalidae

Scholastes bimaculatus Hend., 1, Kaunakakai, Molokai, June 5.

#### Trypetidae

Ceratitis capitata (Wied.), 1, Iao Valley, Maui, June 6. Dacus cucurbitae Coq., 3, south central Molokai, May 31; 1, Iao

Valley, Maui, June 6; 1, Kaupo, Maui, June 9; 1, Wailuku, Maui, June 13.

Eutreta xanthochaeta Aldr., 1, Halawa Valley, Molokai, June 4; 1, Nahiku, Maui, June 10.

## Ephydridae

Brachydeutera hebes Cress., 5, Kawela, Molokai, June 2.

\*Notophila insularis Grims., 7, south central Molokai, May 31.

Procanace nigroviridis Cress., 2, Halawa Valley, Molokai, May 30.

\*Scatella bryani Cress., 3, Kawela, Molokai, June 2.

\*Scatella hawaiiensis Grims., 1, Olinda, Maui, June 12.

Scatella warreni Cress., 10, Halawa Valley, \*Molokai, May 30; 1. Kahakuloa, Maui, June 12.

## Drosophilidae

\*Drosophila spinofemora P. & W., 1, Halawa Valley, Molokai, June 4; 1, Haiku, Maui, June 7; 3, Hana, Maui, June 9.

#### Agromyzidae

Liriomyza pusilla (Meig.), 2, near edge of Waikolu Valley, Molo-

Ophiomyia lantanae (Frogg.), 1, Halawa Valley, Molokai, June 4.

## Milichiidae

Milichiella lactcipennis (Loew), 1, south central Molokai, May 31.

## Chloropidae

\*Rhodesiella tarsalis Adams. Hana, Maui, June 8 (1), June 9 (1).

## HYMENOPTERA

#### Braconidae

\*Apanteles dignus Mues., 1, Kawela, Molokai, June 2, reared from lepidopterous larva in tomato leaf.

Apanteles sp. (parasite of Opogona), 1, Halawa Valley, Molokai, June 4; 1, near edge of Waikolu Valley, Molokai, Oct. 10; 1, Hana, Maui, June 9.

\*Chelonus blackburni Cam., 1, Kaupo, Maui, June 9.

\*Ischiogonus pallidiceps Perk., 1, south central Molokai, May 31; 2, Iao Valley, Maui, June 6.

\*Opius lantanac Bridw., 1, Kaupo, Maui, June 9.

## Ichneumonidae

Amblyteles sp., 1, near edge of Waikolu Valley, Molokai, June 3. Casinaria infesta (Cress.), 1, Kaunakakai, Molokai, June 4.

Cremastus flavo-orbitalis (Cam.), 1, near edge of Waikolu Valley, Molokai, June 3; 1, Kaupo, Maui, June 9.

Idechthis sp., 2, eastern Molokai, May 30; 1, south central Molokai, May 31; 1, Wailuku, Maui, June 6; 1, Hana, Maui, June 9; 1, Kahakuloa, Maui, June 12.

Pristomerus hawaiiensis Perk., 1, near edge of Waikolu Valley, Molokai, Oct. 10; 1, Hana, Maui, June 9; 1, Kaupo, Maui,

## Scelionidae

Anteris nigricornis Ashm., 1, near edge of Waikolu Valley, Molokai, Oct. 10.

## Chalcididae

Brachymeria obscurata (Walk.), 1, Kaunakakai, Molokai, June 4; 1, Kainalu, Molokai, Oct. 12; Hana, Maui, June 8 (1) and 10 (1).

Dirhinus giffardii Silv., 1, Kaunakakai, Molokai, June 4.